



FLS-1000
Testing Environment
Room Temperature: 25°C
Room Humidity: 50%
Sterilizing Water: 6L, 25°C
Power input: AC200V 18A

Bottle capacity (Filled same amount) of water	Quantity	Time to reach 121°C	Temperature inside the chamber	Heat transfer time lag
		Temperature of the articles to be sterilized	Temperature inside the chamber	
500mL	2pcs	45min.	33min.	12min.
500mL	17pcs	59min.	48min.	11min.*
1,000mL	2pcs	52min.	35min.	17min.
2,000mL	2pcs	64min.	36min.	28min.
5,000mL	2pcs	92min.	47min.	45min.
10,000mL	1pc	111min.	44min.	67min.

*When loading a lot of the articles in the chamber, it takes a long time to rise the temperature of the articles, but heat transfer time lag will be shorter because the temperature inside the chamber will also gently rise.

$$\text{Sterilization setting time} = \text{Sterilization time} + \text{Heat transfer time lag}$$

e.g. Sterilize 121°C, 20min, 500mL bottle (filled 500mL water) × 2 pcs
 → Sterilization setting time: 32 min
 (Sterilization time: 20 min + Heat transfer time lag: 12 min)